To the United States Patent and Trademark Office

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Patent owner:	Ecole Polytechnique Fédérale de Lausanne (EPFL)
Examiner/GAU:	Dennis Rosario-Vasquez /2621

Appl. Title: **Method and computing system for creating and displaying images with animated microstructures**

Reply to office action and amendment

Commissioner for Patents
P.O.Box 1450
Alexandria, Virginia 22313-1450

Lausanne, 2nd of July 2009

Sir:

Applicant acknowledges the receipt of the Office Action mailed 9th of April 2009. Applicant now replies to this office action and amends the claims.

Argument F1. Point 5 of OA: Rejection of independent claims 1, 24, 34, 38 due to "not falling within one of the four statutory category of invention"

We amend independent claim 1 to include the limitation that the "method is performed by a computing system", that "the target image" is "rendered by said computing system", that the rendering steps are carried out on said computing system which comprises the "computer performed steps" of "mapping of positions" and of "halftoning of the two-dimensional original image".

Image mapping and halftoning steps are clearly transformation steps which are performed by the computing system and yield "target image instances" "shown on a display", which "provide to a human observer visually attractive and useful information". The transformation steps change the state of the image, are clearly tied to a computing system and result in **tangible useful image instances shown on a computer display** .

Support is provided in the description of the instant application for the sentence "method is carried out on a computing system" in paragraph 12 and for the sentence "provide to a human observer visual attractive and useful information" in paragraph 0003 (publication on US PTO Web site: 200030026500).

The present claim is equivalent to a computer that reads from memory musical notes (here: "an original two-dimensional image"), recognizes and processes them (here: